|   |  |   | •                 |   | Application or Docket Number |                     |                        |         |                     |  |             |
|---|--|---|-------------------|---|------------------------------|---------------------|------------------------|---------|---------------------|--|-------------|
| PATENT APPLICATION FEE DETERMINATION RECORD  Effective November 10, 1998  09/45038/   |  |   |                   |   |                              |                     |                        |         |                     |  | •           |
| Ť   |  | LAIMS AS                                  | FILED - I         | SMALL<br>TYPE                               | ENTTTY                       | OR                  | OTHER                  |         |                     |  |             |
| FC  | )R   | NUMBE                                     | R FILED           | NUMBER 6                                    | EXTRA                        | RATE                | FEE                    |         | RATE                | FEE                                    |             |
| BASIC FEE   |  |   |                   |   |                              |                     | 380.00                 | OR      |                     | 760.00                                 |             |
| TOTAL CLAIMS  |  | 24  | minus 2           | 0= · C                                      |                              |                     |                        | OR      | X\$18≖              | 77                                     |             |
| IND   | EPENDENT CLA                                   | MS (                                      | minus 3           | 1= 3  |                              | X39=                |                        | OR      | X78=                | 234                                    |             |
| MULTIPLE DEPENDENT CLAIM PRESENT  |  |   |                   |   |                              |                     |                        | OR      | +260=               |  |             |
| • H   | the difference in                              | olumn 2                                   | TOTAL             |   | OR                           | TOTAL               | 1066                   |         |                     |  |             |
| CLAIMS AS AMENDED - PART II   |  |   |                   |   |                              |                     |                        | -       | OTHER               |  |             |
| L   | • •  | (Column 1)                                |                   | (Column 2)                                  | (Column 3)                   | SMALI               | ADDI                   | OR<br>1 | SMALL               | ADDI-                                  |             |
| AMENDMENT A   |  | REMAINING<br>AFTER<br>AMENDMENT           |                   | NUMBER<br>PREVIOUSLY<br>PAID FOR            | PRESENT<br>EXTRA             | RATE                | TIONAL<br>FEE          |         | RATE                | TIONAL<br>FEE                          |             |
| ğ   | Total *  | 30  | Minus             | -24   | .6                           | X\$ 9=              |                        | OR      | X\$18=              | 1058                                   | ,           |
| 3   | independent •                                  | ·   | Minus             | ENDENT CLAIM                                | 2                            | X39=                |                        | OR      | XARP .              | NA                                     |             |
| F   | FIRST PRESENT                                  | FATION OF MI                              | JETIPLE UEP       |   |                              | +130=               |                        | OR      | +260≖               | 1                                      | ingeria.    |
| , contract of the contract of |  |   |                   |   |                              |                     | E                      | OR      | YOTAL<br>ADDIT. FEE | 256                                    | ]           |
| ٠,  | ······································         | (Column 1)                                |                   | (Column 2)                                  | (Column 3)                   |                     |                        | _       |                     | , (, , , , , , , , , , , , , , , , , , |             |
| 9   |  | CLAIMS<br>REMAINING.<br>AFTER AMENDMENT   |                   | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR | PRESENT<br>EXTRA             | RATE                | ADDI-<br>TIONAL<br>FEE | -       | RATE                | ADDI-<br>TIONAL<br>FEE                 |             |
| AMENDMENT B   | Total  | 30 ·                                      | Minus             | -31   | . –                          | X\$ 9=              |                        | OR      | X\$18=              |  | 1           |
|   | Independent                                    | 8   | Minus             | <del>-</del> 8                              | •                            | X39=                |                        | OR      | X78=                |  | 1           |
| 1   | FIRST PRESENT                                  |   | +130=             |   | OR                           | +260=               |                        | 1       |                     |  |             |
| <b>.</b> .  | 1/1  |   | TOTA<br>ADDIT. FE |   | OR                           | TOTAL<br>ADDIT, FEE | a . V S a . e S =      | ۵.      |                     |  |             |
| ŀ   | 9117   | (Column 1)_                               |                   | (Column 2)                                  | (Column 3)                   |                     |                        | _       |                     |  |             |
| NOMENT C.   | #<br>2   | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT |                   | HIGHEST<br>NUMBER<br>PREVIOUSLY<br>PAID FOR | PRÉSENT<br>EXTRA             | RATE-               | ADDI-<br>TIONAL<br>FEE |         | RATE                | ADDI-<br>TIONAL<br>FEE                 | girinasyne. |
| B   |  | 36  | Minus :           | - 30  | - /                          | X\$ 9=              | 17                     | OR      | X\$18=              | <b>1</b> 7                             | 1           |
| 3   | independent -                                  | *** <b>Ø</b>                              | Minus             | <b>***</b> 9                                | -                            | X39=                | 1/-                    | OR      | X78=                | 1/                                     |             |
| 級   | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM |   |                   |   |                              |                     | 1/                     | OR      | +260=               | 1/                                     | 1           |
| 歷   | if the entry in column                         | tumn 3.                                   | +130=             |   | ОЯ                           | TOTAL               |                        | 1       |                     |  |             |
| The "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20." ADDIT. FEE ADDIT. FEE ADDIT. FEE THE "Highest Number Previously Paid For" (Total or Independent) is the highest number tound in the appropriate box in column 1.  |  |   |                   |   |                              |                     |                        |         |                     | 1                                      |             |
| FORM PTO-678 Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE (Rev. 11/92)  |  |   |                   |   |                              |                     |                        |         |                     | <b>≟</b><br>€                          |             |

et and Trademark Office, U.S. DEPARTMENT OF COMMERCE # U.S. GP0: 1998-454-473/80301

| PATENT APPLICATION FEE DETERMINATION RECORD  Effective October 1, 2003 Page 2 09/450, 38  |  |   |  |                                   |                     |                  |          |             |                        |                |             |                        |
|---|--|---|--|-----------------------------------|---------------------|------------------|----------|-------------|------------------------|----------------|-------------|------------------------|
| _   | CLAIMS AS FILED - PART I SMALL ENTITY OTHER THAN |   |  |                                   |                     |                  |          |             |                        |                | THAN        |                        |
| TOTAL CLAIMS  |  |   |  |                                   |                     |                  | ſ        | RATE        | FEE                    | OR<br><b>7</b> | RATE        | FEE                    |
| FC  | )R   |   | NUMBER                                 | FILED                             | NUMBER EXTRA        |                  |          | BASIC FE    | +                      | OR             | BASIC FEE   |                        |
| TC  | TAL CHARGE                                       | ABLE CLAIMS                               | 24 mi                                  | nus 20=                           | . 4                 |                  |          | XS 9=       | 1                      | OR             | X\$18=      | 9                      |
| INC   | EPENDENT C                                       | LAIMS                                     | . minus 3 =                            |                                   | . 3                 |                  | 1        | X43=        | <del> </del>           | -              | X86=        | 34                     |
| ML  | ILTIPLE DEPEN                                    | NDENT CLAIM P                             |  |                                   |                     |                  | ŀ        | <del></del> |                        | OR             | 700-        | <b>A</b> O 1           |
| L   | the difference                                   | Į   | +145=                                  | <del> </del>                      | OR                  | +290=            | 11.      |             |                        |                |             |                        |
| * If the difference in column 1 is less than zero, enter *0" in column 2 TOTAL OR TOTAL OR TOTAL  |  |   |  |                                   |                     |                  |          |             |                        | LIU66          |             |                        |
|   |  | (Column 1)                                | MENDED - PART II (Column 2) (Column 3) |                                   |                     |                  | SMALL    | ENTITY      | OR                     | OTHER<br>SMALL |             |                        |
| INT A   | ·  | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT |  | HIGHI<br>NUME<br>PREVIO<br>PAID F | BER                 | PRESENT<br>EXTRA |          | RATE        | ADDI-<br>TIONAL<br>FEE |                | RATE        | ADDI-<br>TIONAL<br>FEE |
| AMENDMENT   | Total  | . 30                                      | Minus                                  | - 3                               | 0                   | = Ø,             |          | X\$ 9=      |                        | OR             | X\$18=      |                        |
| ME  | Independent                                      | · X                                       | Minus                                  |                                   | <u> </u>            | = 0              | ı        | X43=        |                        | OR             | X86=        |                        |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM  |  |   |  |                                   |                     | ŀ                | +145=    |             |                        | +290=          |             |                        |
|   |  |   |  |                                   |                     |                  | L        | TOTAL       |                        | OR<br>OR       | TOTAL       |                        |
| (Column 1) (Column 2) (Column 3)  |  |   |  |                                   |                     |                  | A        | DOIT. FEE   |                        | JOH ,          | ADDIT. FEE! |                        |
| NT B  |  | CLAIMS<br>REMAINING<br>AFTER<br>AMENDMENT |  | HIGHE<br>NUME<br>PREVIO<br>PAID F | EST<br>BER<br>JUSLY | PRESENT<br>EXTRA | F        | RATE        | ADDI-<br>TIONAL<br>FEE |                | RATE        | ADDI-<br>TIONAL<br>FEE |
| DM  | Total  | •   | Minus                                  | **                                |                     |                  |          | X\$ 9=      |                        | OR             | X\$18=      |                        |
| AMENDMENT   | Ind pendent                                      | *   | Minus                                  | ***                               |                     | =                | ŀ        | X43=        |                        | OR             | X86=        |                        |
| ٩   | FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM   |   |  |                                   |                     |                  | <b> </b> | .445        |                        |                | +290=       |                        |
|   |  |   |  |                                   |                     |                  | L        | +145=       |                        | OR             | TOTAL       |                        |
|   |  |   |  |                                   |                     |                  | AI       | DOIT. FEE   |                        | ÒЯ ,           | ADDIT. FEE  |                        |
|   | `  | (Column 1) CLAIMS                         |  | (Colum                            | EST                 | (Column 3)       | Г        | •           | ADDI-                  | ſ              |             | ADDI-                  |
| AMENDMENT C   |  | REMAINING<br>AFTER<br>AMENDMENT           |  | PREVIO<br>PAID F                  | USLY                | PRESENT<br>EXTRA | ı        | RATE        | TIONAL<br>FEE          |                | RATE        | TIONAL                 |
|   | Total  | •   | Minus                                  | ##                                |                     | E .              |          | X\$ 9=      |                        | OR             | X\$18=      |                        |
| ME  | Independent                                      | •   | Minus                                  | ***                               |                     | =                | H        | X43=        |                        | OR             | X86=        |                        |
|   | FIRST PRESE                                      | NTATION OF MU                             | ILTIPLE DEF                            | PENDENT                           | CLAIM               |                  | -        | +145=       |                        |                | +290=       |                        |
| * If the intry in column 1 is less than the entry in column 2, write "0" in column 3.   |  |   |  |                                   |                     |                  |          |             |                        |                |             |                        |
| **If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."  The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1. |  |   |  |                                   |                     |                  |          |             |                        |                |             |                        |

Application or Docket Number